



OLYMPIC COAST NATIONAL MARINE SANCTUARY

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Ocean Science Programs and Teacher Professional Development Workshops

What is Ocean Science?

Ocean Science is a five-year (2006-2011), \$600,000 program designed to integrate NOAA ocean literacy concepts and principles into western Washington formal and informal educational programs. Ocean Science will provide professional development for teachers and classroom and beach field studies for students and their families. Ocean Science also aims to expand peoples' understanding of the ocean's influence on them, as well as their influence on the ocean, by demonstrating how the ocean:

- affects weather and climate,
- is inextricably connected to humans,
- makes the Earth habitable,
- supports a great diversity of life and ecosystems, and
- is largely unexplored.

The goal is to reach 500 teachers, 15,000 students and 1,375 families across the (urban) Puget Sound and (rural) Olympic Coast region.



Kids join an educator for exploration on the beach.



Students use microscopes to examine plankton in water samples.

Ocean Science is collaboration between Seattle Aquarium and Olympic Coast National Marine Sanctuary, funded by a grant from NOAA.

What will teachers get from participating in this program?

The Ocean Science Professional Development Workshop will prepare teachers to use inquiry-based marine science as a context for learning about ecosystems and ocean literacy principles.

Participants will engage in activities that support inquiry-based, experiential learning in the classroom and at the beach. Teachers will also receive a \$50 per day stipend during the workshop, and credit hours are available.

Following the workshop, teachers will receive a "Beach Kit" with curriculum materials to use in the classroom. Each teacher participating will have the opportunity to take their class on a free field trip to Olympic Coast Discovery Center and Feiro Marine



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Life Center in Port Angeles or to Seattle Aquarium. Teachers will also get a guided field trip to a local beach with transportation paid. In addition, follow-up training and support will be provided by Olympic Coast National Marine Sanctuary and Seattle Aquarium staff.

Who can participate?

Ocean Science is designed for teachers and students grades 4 and 5 living in the Puget Sound and Olympic Coast regions. Olympic Coast National Marine Sanctuary (OCNMS) and Seattle Aquarium staff also provides training for families participating in the field trips.



Discovering colorful sea stars in the intertidal zone

How can teachers get involved?

Teachers in the Puget Sound region should contact Karen Matsumoto (Seattle Aquarium) at (206) 386-4303 or Karen.Matsumoto@seattle.gov

Teachers in the Olympic Coast region should contact Jacqueline Laverdure (OCNMS) at (360) 457-6622 x21 or Jacqueline.Laverdure@noaa.gov

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